

S&MA Mission Services Task Directive

REC'D JAN 22 2002

Control No. 0071 0015 <i>TJB</i>	Org. No. QS10	Project Code 2GRLV	Contract No. NAS8-00179
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Originator's Signature: QS10/Thomas Hartline <i>Alan Z. Clark</i>	Date: 01/07/02	Originator's Priority: High
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Office Manager's Signature: QS10 / Thomas Hartline <i>Alan Z. Clark</i>	Date: 1/15/02	
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COTR's Approval: QS01 / Terry Hamm <i>Terry Hamm</i>	Date: 1-18-02	
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Subject: Probabilistic Risk Assessment (PRA) support for 2nd Generation Reusable Launch Vehicle (RLV)

Task Description:

Provide general mission level PRA support to the 2nd Generation RLV SE&I Office to assist in accomplishing mission objectives and goals. Specific tasks include:

- Maintain a PRA modeling guidelines document and participate in Technical Interchange meetings with RMS (Reliability Maintainability and Supportability) Team members to ensure consistency in modeling
- Assist in resolving technical issues raised by 2nd Gen RLV RMS Team members
- Provide expert support to the RMS Team through modeling guidance and review of completed models
- Assist RMS Team members in model development and quantification

Required Action/Deliverables/Schedule:

- Provide monthly status reports of the PRA Program activities.
- Provide technical reports for PRA special studies as requested by the 2nd Generation RLV SE&I Office

Schedule/Manpower

- Support schedules as defined by the Program
- Task effective through 9/30/02
- Resource estimate - (b)(4)

Report Progress To:

2nd GRLV Lead Systems Engineer for RMS and Manager,
Advanced Projects Assurance Department

Frequency of Report:

On-going